Philips 8000 series
Smart LED TV with
Ambilight Spectra 2 and
Perfect Pixel HD

**117 cm (46")**
Full HD 3D DGTV

**46PFL8606M**

# Refined living, pure performance

## with Ambilight and Smart TV

The thin 8000 series LED TV combines the award winning Perfect Pixel HD engine, Ambilight and 3D Max for a truly immersive movie experience. Share & enrich this experience as Smart TV puts your living room in the center of the online world.

### Intensify your viewing experience
- Ambilight Spectra 2-sided intensifies the viewing experience
- 3D Max for a truly immersive Full HD 3D experience

### Breathtaking perfect pictures and Sound
- Full HD TV and Perfect Pixel HD Engine for unrivaled clarity
- Brilliant LED images with incredible contrast
- 800Hz Perfect Motion Rate (PMR) for superb motion sharpness
- 28W SoundStage for dynamic powerful sound in a ultra slim TV

### Enjoy the online world with Smart TV
- A wealth of online apps, videos to rent and catch-up TV
- Control the TV with your smart phone, tablet or keyboard
- With DLNA, enjoy photos, music and movies on your TV
- Find, schedule, record* & pause TV
- Integrated Wi-Fi to use Net TV apps and SimplyShare wireless
- Experience interactive digital home entertainment with MHP

SmartTV

PHILIPS
sense and simplicity

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# Highlights

## Ambilight Spectra 2

Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen by projecting a glow of light from 2 sides of the back of the TV screen onto the surrounding wall. Ambilight automatically adjusts the color and brightness of the light to match the TV picture. Thanks to the wall-adaptive function, the color of the light is perfect, regardless of your wall color.

## 3D Max

Be enthralled by 3D movies in your own living room with the 3D Max. The combination of the fast display and Active shutter glasses bring real life depth in Full HD resolution. Now all 2D content can be experienced in 3D and you can even control the depth of the 3D to your liking. Your TV is ready for the 3D Max experience by adding the 3D Max glasses PTA516 and a 3D compatible BluRay player.

## Perfect Pixel HD

Experience unrivaled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels. The result is a unique combination of sharpness, natural detail, vivid colors, superior contrast, and smooth natural motion. Clean and razor sharp images come from artifact and noise detection and reduction in all content sources. The Full HD screen with 1920x1080 pixels produces brilliant flicker-free pictures with superb brightness.

## Full HD LED TV

The most advanced LED lighting technology in this Full HD LED TV combines an eye-catching minimalistic design with stunning image quality as well as the lowest power consumption in its category. On top of that, LED lighting technology does not contain any hazardous materials. Thus, with LED backlight you can enjoy low power consumption, high brightness, incredible contrast, sharpness and vibrant colors.

## 800Hz Perfect Motion Rate

800Hz Perfect Motion Rate (PMR) creates extreme motion sharpness for even clearer and more vibrant images in fast action movies. The new Philips PMR standard shows the combined visible effect of the fastest panel refresh rate, Perfect Natural Motion and unique processing formula, for unprecedented motion sharpness.

SmartTV

## Smart TV

Smart TV for an easier & wireless TV experience in 4 areas. Net TV lets you enjoy a wealth of online apps on your TV: rent movies, watch cat-up TV and enjoy social media. Stay in Control: change channels or enter text using your Smartphone or tablet. Use SimplyShare to enjoy photos, music and video from your computer, phone & tablet on your TV. Watch your favorite Program whenever you want: our program guide helps you with Smart USB recording.

## 2 in 1 Stand

This TV comes with a revolutionary table top stand that can also be use to wall-mount your television. There is no need to buy additional wall-mount brackets, it comes conveniently with the TV in the box. The patented design allows for no less than 4 mounting positions: Tabletop swivel stand, Wallmount with swivel, ultra flat wallmount and Vesa compatible wallmount fixation. Mounting is easy with 2 fixation points on the wall and smart leveling to get the TV perfectly horizontal with the touch of your hand!

ambilight Perfect Pixel HD ENGINE 3D MAX Full HD LED 800 Hz Perfect Motion Rate NetTV SimplyShare DVB TC TERRESTRIAL/CABLE

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# Specifications

## Ambilight
- Ambilight Version: 2 sided
- Ambilight Features: Wall colour adaptive, Lounge light mode

## Picture/Display
- Display: LED Full HD, edge LED backlight
- Diagonal screen size: 46 inch / 117 cm
- Panel resolution: 1920x1080p
- 3D: 3D Max*, 2D to 3D conversion, 3D Depth adjustment, 2 Player Full Screen Gaming*
- Aspect ratio: 16:9
- Brightness: 450 cd/m²
- Peak Luminance ratio: 65 %
- Dynamic screen contrast: 500.000:1
- Response time (typical): 1 ms
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, ISF image calibration, Active Control + Light sensor, Wide Color Gamut display, Super Resolution, Perfect Colors, Perfect Contrast, Scanning backlight, 800 Hz Perfect Motion Rate

## Sound
- Output power (RMS): 28W (2 x 14W)
- Sound Enhancement: Auto Volume Leveller, Clear Sound, Incredible Surround, Treble and Bass Control
- Loudspeaker types: Soundstage stand enclosure

## Smart TV Applications
- Control: MyRemote app (iOS & Android), USB Keyboard & Mouse support
- SimplyShare: DLNA media browser, USB media browser, WiFi MediaConnect*
- Net TV: Catch-up TV, Online Video stores, Open Internet browser, Online apps
- Program: Pause TV, USB recording

## Connectivity
- Number of HDMI connections: 4
- HDMI features: 3D, Audio Return Channel
- EasyLink (HDMI-CEC): Remote control pass-through, System audio control, System standby, Plug & play add to Homescreen, Auto subtitle shift (Philips), Pixel Plus link (Philips), One touch play
- Number of component in (YPbPr): 1
- Number of scarts (RGB/CVBS): 1
- Number of USBs: 2
- Other connections: Antenna IEC75, Common Interface Plus (CI+), Ethernet-LAN RJ-45, SD card slot (Videostore), Digital audio out (optical), PC-in VGA + Audio L/R in, Headphone out, Service connector
- Wireless connections: WiFi Certified

## Multimedia Applications
- Video Playback Formats: Codec support:, Containers: AVI, MKV, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1
- Music Playback Formats: AAC, MP3, WMA (v2 up to v9.2)
- Picture Playback Formats: JPEG
- Net TV: Included

## Supported Display Resolution
- Computer inputs: up to 1920x1080 @ 60Hz
- Video inputs: 24, 25, 30, 50, 60 Hz, up to 1920x1080p

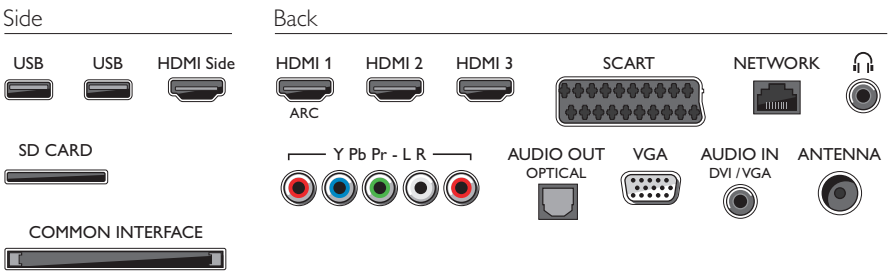
## Convenience
- PC network link: DLNA 1.5 certified
- Electronic Program Guide: 8day Electronic Program Guide*
- Ease of Installation: Auto detect Philips devices, Channel installation wizard, Device connection wizard, Network installation wizard, Settings assistant wizard, 2-in-1 Wallmount Stand
- Ease of Use: One-stop Home button, Onscreen Usermanual, Touch control buttons
- Screen Format Adjustments: Autofill, Autozoom, Movie expand 16:9, Super Zoom, Unscaled, Widescreen
- Signal strength indication
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

## Tuner/Reception/Transmission
- Digital TV: DVB-C MPEG2*, DVB-C MPEG4*, DVB-T MPEG2*, DVB-T MPEG4*
- Interactive TV: MHP
- Video Playback: NTSC, PAL, SECAM

## Power
- Mains power: AC 220 - 240 V 50/60Hz
- Ambient temperature: 5 °C to 35 °C
- Energy Label Class: A
- Eu Energy Label power: 71 W
- Annual energy consumption: 99 kW h
- Standby power consumption: <0.1 W
- Power Saving Features: 0 Watt Power-off switch, Auto switch-off timer, Eco mode, Eco settings menu, Light sensor, Picture mute (for radio)
- Presence of lead: Yes*
- Off mode power consumption: < 0.01 W

## Dimensions
- Set dimensions (W x H x D): 1088 x 662 x 33 mm
- Set dimensions with stand (W x H x D): 1088 x 716 x 244 mm
- Product weight: 23 kg
- Product weight (+stand): 26 kg
- Compatible wall mount: adjustable 300 x 200mm

## Connections




* 3D TV requires Accessory PTA516 (Active shutter glasses), a 3D compatible source device, and 3D source material.
* 3D Max two player gaming is only supported by 3D Max TVs with following set types: 58pfl9956, 46pfl9706, 37pfl9606, 52pfl9606, 46pfl8686, 40pfl8606, 46pfl8606, _pfl5507 (Eu), _pfl7007 (Eu), _pfl8007 (Eu), _pfl9x07
* Net TV: Visit www.philips.com/smarttv to discover the services offering in your country.
* Wi-Fi Media connect: The playback of video can be affected by your PC speed and Wi-Fi bandwidth. For minimum and recommended system requirements go to www.philips.com/wifimediaconnect. Displays content with a delay of some seconds. Small differences of image and sound can occur.
* Parents should monitor their children during 3D viewing and ensure they do not experience any discomfort as mentioned above. Watching 3D is not recommended for children under 6 years of age as their visual system is not fully developed yet.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscripction are required. Contact your operator for more information.
* 8 days EPG, service not available in all countries
* USB recording only for digital channels covered by the TV IP bases Electronic Programme Guide (country and channel restrictions may apply), recordings may be limited by broadcast copy protection (CI+). An internet connection is required.
* Energy consumption in kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.
* ISF and IMAGING SCIENCE FOUNDATION are Trade Marks owned by Isf Research Labs Llc Limited Liability Company
* For 2D games only.
* Ensure that the game console is connected to the HDMI connector of the TV.

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